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**ABSTRACT OF THE DISCLOSURE**

The present invention facilitates network throughput by dynamically generating IPG values, which are employed when recovering from network collisions. Testing a number of IPG values and tracking collisions that occur as a result for each value generate the IPG value. The IPG value that yielded the lowest collisions is then programmed as the IPG value for a network device. This value remains in use by the network device for a stable state time period. After this period, another dynamically generated IPG value is obtained.

5